

# Cisco Web Server

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This chapter provides information on the Cisco Web Server. The information is organized into the following sections:

- Product Overview
- Standard Features
- Product Numbers

## Product Overview

Cisco Web Server is a high-performance, easy-to-manage Web server available on popular enterprise platforms, including Windows NT, Windows 95, Solaris, and OpenVMS. Cisco Web Server uses a hypertext markup language (HTML)-based management interface that enables remote management using any Web browser. Cisco Web Server is based on a multithreaded architecture that optimizes performance and includes secure document access control.



## Standard Features

Cisco Web Server includes the following features:

- Multiple platforms support

To provide network administrators with maximum flexibility, Cisco Web Server is available on a variety of platforms. Webmasters can use existing hardware and pick one of the following operating systems: Windows NT, Windows 95, Solaris, and OpenVMS. Cisco Web Server has been optimized for network performance, regardless of platform.

- Multithreaded processing

Designed using the unique deferred procedure call (DPC) architecture, operating system overhead is reduced dramatically. Each incoming connection to the server has its own thread, allowing multiple asynchronous connections at the same time. Thousands of connections are supported, limited only by the hardware platform.

Support for all these connections comes without the overhead of extra processes, which means the Web Server can scale from the desktop system to the largest clustered multiprocessor system.

- File caching/Internal image map handling

By keeping frequently accessed files cached in memory, Cisco Web Server eliminates time-consuming disk accesses and shortens user response times. In contrast to other products that use a separate process for imagemaps, the Cisco Web Server uses the same single process to interpret clickable images faster and with less overhead. This helps enhance overall performance as well as user satisfaction.

- Internal image map handling
- Secure access control and logging

Provides a variety of security controls. Access control can be set by the administrators to limit access to specific documents and directories mapped into the virtual file system. Restrictions are enforced based on the client's user name, IP address, or domain name. Two forms of user name and password authentication can be used to limit access. Basic authentication uses cleartext passwords, while digest authentication encrypts passwords for extra security.

Cisco Web Server uses the common log format. Every client transaction records the requested action, URL, protocol version, host address, result code, and number of bytes transmitted. This allows network administrators to analyze the data and extract information on their Web site.

- Multiple language support

Automatically identifies the language and displays files correctly if they are in non-English format. You can view native languages correctly.

- Web browser management interface

Remote management can be done with any Web browser. This user-friendly graphical interface makes management and configuration changes easy.

Installation and configuration is also done through any Web browser interface. Uses HTML forms for management and can be managed remotely. The configuration can be modified without disconnecting clients or halting the running process. In addition, Common Gateway Interface (CGI) scripts can be used to manage the server.

- Online context-sensitive documentation

Extensive HTML-based documentation has been integrated with the HTML forms-based management. Context-sensitive access to documentation is only a few simple clicks away.

## Benefits

The Cisco Web Server's high performance makes it ideal for enterprise environments. The ability to handle thousands of simultaneous connections means you can experience uninterrupted service and quick access to different files. The management tools make it easy for Web managers to make changes remotely. Cisco Web Server provides a complete Web server for intranets or the Internet that is easy to install and use.

**Table 306 Cisco Web Server Summary of Features**

Characteristic	Benefit
High performance	Increases user satisfaction with Web server (Web site).
Easy to manage	Dynamic remote management makes it easy to configure, update, and troubleshoot.
Document access control	Allows Web managers to control access to the Web server to prevent unauthorized access.
Multiple platform support—Windows NT, Windows 95, UNIX, and OpenVMS	Minimizes costs by allowing intermediate system to leverage existing systems. Gives maximum flexibility by providing support for the most popular enterprise platforms.



## Product Numbers

The Cisco Web Server ships with one CD-ROM and installation instructions. All product documentation is included on the product CD-ROM. Table 307 lists the product numbers you can use to order the Cisco Web Server.

**Table 307 Cisco Web Server Product Numbers**

Description	Product Number
Cisco Web Server for OpenVMS, 1 CPU	WEB-VMS-1
Cisco Web Server for OpenVMS, 5 CPUs	WEB-VMS-5
Cisco Web Server for OpenVMS, 10 CPUs	WEB-VMS-10
Cisco Web Server for OpenVMS, 25 CPUs	WEB-VMS-25
Cisco Web Server for OpenVMS, 50 CPUs	WEB-VMS-50
Cisco Web Server for Windows 95, 1 CPU	WEB-95-1
Cisco Web Server for Windows 95, 5 CPUs	WEB-95-5
Cisco Web Server for Windows 95, 10 CPUs	WEB-95-10
Cisco Web Server for Windows 95, 25 CPUs	WEB-95-25
Cisco Web Server for Windows 95, 50 CPUs	WEB-95-50
Cisco Web Server for WindowsNT, 1 CPU	WEB-NT-1
Cisco Web Server for WindowsNT, 5 CPUs	WEB-NT-5
Cisco Web Server for WindowsNT, 10 CPUs	WEB-NT-10
Cisco Web Server for WindowsNT, 25 CPUs	WEB-NT-25
Cisco Web Server for WindowsNT, 50 CPUs	WEB-NT-50
Cisco Web Server for UNIX, 1 CPU	WEB-UNIX-1
Cisco Web Server for UNIX, 5 CPUs	WEB-UNIX-5
Cisco Web Server for UNIX, 10 CPUs	WEB-UNIX-10
Cisco Web Server for UNIX, 25 CPUs	WEB-UNIX-25
Cisco Web Server for UNIX, 50 CPUs	WEB-UNIX-50

Description	Product Number
<b>Optional Products</b> (one of the following four products must be ordered)	
Cisco Web Server for OpenVMS PAK	WEB-VMS-PAK
Cisco Web Server for Windows 95, key only	WEB-95-KEY
Cisco Web Server for Windows NT, key only	WEB-NT-KEY
Cisco Web Server for UNIX, key only	WEB-UNIX-KEY
Cisco Web Server crossplatform CD-ROM media	WEB-CD
<b>Spare Products</b>	
Cisco Web Server crossplatform evaluation kit	WEB-EVAL=
Cisco Web Server crossplatform CD-ROM media	WEB-CD=